

appropriate chain-of-custody information will also be electronically uploaded to the project database.

All equipment used for well purging and sampling will be cleaned between groundwater monitoring wells with an Alconox solution (or equivalent) and then double rinsed with tap water and deionized or distilled water to reduce the potential for cross-contamination. Well purge water and water used to decontaminate equipment will be stored in DOT 55-gallon drums, properly labeled, and stored on site at a location selected by BRC. The drums will be properly manifested and disposed of by BRC following receipt of laboratory results.

Groundwater analytical results will be reported in units of milligrams per liter (mg/L) or micrograms per liter ( $\mu\text{g/L}$ ) on RWQCB Laboratory Report Forms 10A/10B or their equivalent. Field data will be collected and recorded on standard groundwater monitoring forms in accordance with the Boeing Electronic DMP (Boeing EDMS, 2001).

The laboratory reports will be submitted electronically to the Project Data Management Company (PDMC).

### **2.3.3 Quality Assurance/Quality Control**

#### **1. Duplicate Samples**

One duplicate groundwater sample will be collected for every 20 groundwater samples (two in March and one in September). Sample duplicates are a check for sampling and analytical precision. During the annual sampling event, the duplicates will be analyzed for VOCs, Title 22 Metals, and hexavalent chromium. During the semiannual event, duplicates will be tested for VOCs only. Duplicates will be collected, numbered, packaged, and sealed in the same manner as the other samples. Duplicates will be assigned separate sample numbers and submitted blind to the laboratory.

#### **2. Rinsate Blanks**

One equipment rinsate blank sample will be collected prior to initiation of sampling and one each day (seven in March and four in September). Equipment rinse blank samples are a check for cross-contamination during sample collection. An equipment blank will be collected when sampling equipment is cleaned and re-used in the field. Appropriate water will be used to fill or rinse the sampling equipment after the equipment has been cleaned, and then collected in the sample containers. During the annual sampling event, the equipment rinsate blank will be analyzed for VOCs, Title 22 Metals, and hexavalent chromium. During the semiannual event, the equipment rinsate blank will be tested for VOCs only.